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(71) Applicant (for all designated States except US): FLOW HOLDINGS SAGL [CH/CH]; Via Cantonale, CH-6805 (CH).

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(72) Inventor; and

(75) Inventor/Applicant (for US only): HELLGREN, Keijo [SE/SE]; Långdhoppargatan 5, S-722 41 Västerås (SE).

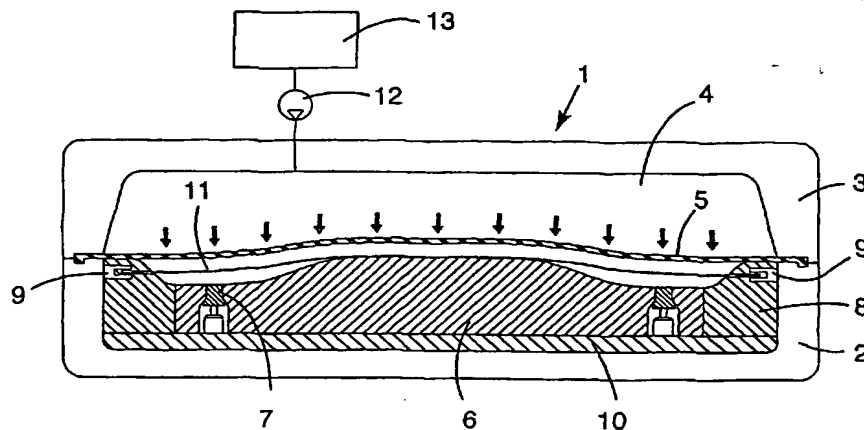
(74) Agent: AWAPATENT AB; Box 53, S-826 22 Söderhamn (SE).

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(54) Title: FORMING TOOL



(57) Abstract: The invention relates to a forming tool for forming sheet blanks in a diaphragm press (1) of the kind comprising an openable, closed pressure chamber (4), which is divided in a gas and liquid tight manner by means of a flexible diaphragm (5). The forming tool (6) is adapted to be arranged on one side of the diaphragm and a sheet blank (11) to be formed is adapted to be arranged between the forming tool and the diaphragm. The opposite side of the diaphragm is adapted to be pressurised by a fluid being supplied at high pressure to cause the flexible diaphragm to deform and, thus, the sheet blank to be pressed against the forming tool. The forming tool (6) comprises an elongate cutting and flanging tool (7) along at least part of its periphery and/or around an intended opening in the sheet blank (11). The cutting and flanging tool (7) has a cutting edge and is displaceable, with the aid of actuating means, in an elongate slot in the forming tool towards and away from the plane of the diaphragm (5). At a first pressing pressure, the sheet blank is caused to be cut off against the cutting edge and, as the pressure is continuously increased, the cutting and flanging tool is caused to be displaced into the slot in the forming tool, so that the peripheral edge of the sheet blank is deformed towards the interior of the slot during forming of a flanged edge.